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Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 5

Complete If Known	
<i>Application Number</i>	10/684,065
<i>Filing Date</i>	October 10, 2003
<i>First Named Inventor</i>	Kenneth W. Welch, Jr.
<i>Art Unit</i>	3746
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	021603.0102PTUS (55502-00003)

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
ML	A-1	US-4,914,915	04/10/1990	Linderfelt	
	A-2	US- 4,739,182	04/19/1988	Kenderi	
	A-3	US- 4,726,188	02/23/1988	Woolfolk	
	A-4	US- 4,484,080	08/07/1984	Gorlov	
	A-5	US- 4,455,824	06/26/1984	Dabringhaus	
	A-6	US- 4,425,510	01/10/1984	Jury	
	A-7	US- 4,208,878	06/24/1980	Rainey	
	A-8	US- 4,185,464	01/29/1980	Rainey	
	A-9	US- 4,103,490	08/01/1978	Gorlov	
	A-10	US- 3,047,207	07/31/1962	Baldwin et al.	
	A-11	US- 1,523,031	01/13/1925	Mitchell, Jr.	
	A-12	US- 1,358,259	11/09/1920	Stein	
	A-13	US- 1,105,249	07/28/1914	Bustos	
	A-14	US- 1,038,502	08/20/1912	Marsden	
	A-15	US- 657,355	09/04/1900	Nagler	
	A-16	US- 646,199	03/27/1900	Walker	
	A-17	US- 631,994	08/29/1899	Montague	
	A-18	US- 597,833	01/25/1898	Palmer	
	A-19	US- 597,832	01/25/1898	Palmer	
	A-20	US- 2002/0047273 A1	04/25/2002	Burns et al.	

## FOREIGN PATENT DOCUMENTS

Examiner  
Signature

Michael S. Sparer

Date  
Considered

1/2/2005

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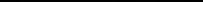
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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/684,065
(use as many sheets as necessary)		Filing Date	October 10, 2003
		First Named Inventor	Kenneth W. Welch, Jr.
		Art Unit	3746
		Examiner Name	Unknown
Sheet	2	of	5
		Attorney Docket Number	
		021603.0102PTUS (55502-00003)	

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	1/16/2024
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Substitute for form 1449B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/684,065
(Use as many sheets as necessary)				Filing Date	October 10, 2003
				First Named Inventor	Kenneth W. Welch, Jr.
				Art Unit	3746
				Examiner Name	Unknown
Sheet	3	of	5	Attorney Docket Number	021603.0102PTUS (55502-00003)

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
ML	C-1	PCT International Search Report dated February 9, 2004, International Application No. PCT/US03/32374.		
	C-2	RICHARD BOUD; "Status and Research and Development Priorities, 2003 - Wave and Marine Current Energy"; International Energy Agency; DTI Report Number FES-R-132; AEAT Report Number AEAT/ENV/1054; pp. 1-77.		
	C-3	OWEC Proposal; (Prior Wave Energy Conversion Techniques); publication date unknown; pp. 1-4; <a href="http://www.owec.com">www.owec.com</a>		
	C-4	AUSTRALIAN CRC FOR RENEWABLE ENERGY, LTD.; Wave Energy Systems; pp. 1-4; publication date unknown; <a href="http://www.acre.murdoch.edu.au">www.acre.murdoch.edu.au</a>		
	C-5	ATLAS; Wave Energy - Current Market Position; p. 1; publication date unknown; <a href="http://www.europa.eu.int">www.europa.eu.int</a>		
	C-6	ATLAS; Wave Energy - The Technology - Offshore Devices; pp. 1-2; publication date unknown; <a href="http://www.europa.eu.int">www.europa.eu.int</a>		
	C-7	Wave Dragon website; "Wave Dragon – a large offshore wave energy converter"; pp. 1-27; publication date unknown; <a href="http://www.wavedragon.net">www.wavedragon.net</a>		
	C-8	Ocean Power Delivery Ltd. website; "The Pelamis Wave Energy Converter"; pp. 1-2; publication date unknown; <a href="http://www.oceanpd.com">www.oceanpd.com</a> .		
	C-9	Hydram Technology Limited website; pp. 1-4; publication date unknown; <a href="http://www.wave-power.com">www.wave-power.com</a> .		
	C-10	Archimedes Wave Swing website; pp. 1-8; publication date unknown; <a href="http://www.waveswing.wwxs.net">www.waveswing.wwxs.net</a> .		
↓	C-11	AquaEnergy Group Ltd. website; pp. 1-8; publication date unknown; <a href="http://www.aquaenergygroup.com">www.aquaenergygroup.com</a> .		

Examiner Signature		Date Considered	11/12/2003
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

5

## Complete if Known

Application Number	10/684,065
Filing Date	October 10, 2003
First Named Inventor	Kenneth W. Welch, Jr.
Group Art Unit	3746
Examiner Name	Unknown

Attorney Docket Number 021603.0102PTUS (55502-00003)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ML	C-12	Float Incorporated website; "The Pneumatically Stabilized Platform or PSP"; pp. 1-8; February 22, 2004; <a href="http://www.floating.com">www.floating.com</a>	
	C-13	Ocean Power Technologies website; "The Power of Waves. The Future of Energy." pp. 1-5; publication date unknown; <a href="http://www.oceanpowertechnologies.com">www.oceanpowertechnologies.com</a>	
	C-14	Scientific Applications & Research Associates (SARA) Inc. website; "Renewable & Alternative Electrical Energy"; pp. 1-4; publication date unknown; <a href="http://www.sara.com">www.sara.com</a> .	
	C-15	Energetech website; "Sustainable and Innovative Energy"; pp. 1-4; publication date unknown; <a href="http://www.energetech.com.au">www.energetech.com.au</a> .	
	C-16	EUREKA website; "Wave Power"; pp. 1-2; publication date unknown; <a href="http://www.eureka.be">www.eureka.be</a> .	
	C-17	Global Technology website; "Plymouth launches new power source on the crest of a wave"; pp. 1-2; publication date unknown; <a href="http://www.globaltechnoscan.com">www.globaltechnoscan.com</a> .	
	C-18	J R M Taylor, I Mackay, "The Design of an eddy current dynamometer for a free-floating sloped IPS buoy"; Paper given at MAREC 2001 International Conference on Marine Renewable Energies organized by the Institute of Marine Engineers and the University of Newcastle; March 2001; pp. 1-11; <a href="http://www.mech.ed.ac.uk">www.mech.ed.ac.uk</a> .	
	C-19	World Energy website; "WEC Survey of Energy Resources 2001 - Wave Energy"; pp. 1-15; publication date unknown; <a href="http://www.worldenergy.org">www.worldenergy.org</a> .	
	C-20	Wavegen website; pp. 1-4; publication date unknown; <a href="http://www.wavegen.co.uk">www.wavegen.co.uk</a> .	
	C-21	DaeDalus Ltd. website; "Introduction to an advanced Hybrid (Wave & Wind) Renewable Energy Technology (RET) Multipurpose System"; pp. 1-5; publication date unknown; <a href="http://195.170.12.01/DAEII/PRODUCTS/RET/General/RETWW1.html">195.170.12.01/DAEII/PRODUCTS/RET/General/RETWW1.html</a> .	
↓	C-22	Ocean Motion International website; "Floating Platform"; no information available on website; <a href="http://www.oceanmotion.net">www.oceanmotion.net</a> .	

Examiner Signature



Date Considered

11/12/03

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Substitute for form 1449A/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/684,065
(use as many sheets as necessary)				Filing Date	October 10, 2003
Sheet	5	of	5	First Named Inventor	Kenneth W. Welch, Jr.
				Group Art Unit	3746
				Examiner Name	Unknown
				Attorney Docket Number	021603.0102PTUS (55502-00003)

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
ML	C-23	Kvaerner website; "Offshore OWC"; no information available on website; <a href="http://www.kvaerner.com">www.kvaerner.com</a> .		
	C-24	U.S. Myriad Technologies website; "SEAGENS"; no company website information available.		
	C-25	SeaVolt Technologies website; "Wave Rider"; no information available on website; <a href="http://www.seapower.cc">www.seapower.cc</a> .		
	C-26	Edinburgh University; "Salter Duck"; no company website information available.		
	C-27	"Sea Clam"; No company information available.		
	C-28	"Tapchan"; No company information available.		
	C-29	Muroran Institute of Technology and Cold-Region Port and Harbor Research Center website; "Pendulor"; no information available on website; <a href="http://www.muroran-it.ac.jp">www.muroran-it.ac.jp</a> .		
	C-30	Japan Marine Science and Technology Center website; "Mighty Whale"; no information available on website; <a href="http://www.jamstec.go.jp">www.jamstec.go.jp</a> .		
	C-31	Yoshio Masuda of Japan; "Backward Bend Duct Buoy"; no website information available.		
	C-32	"Swedish Hosepump"; No company information.		
↓	C-33	Lancaster University - Professor French website; "PS Frog"; no website information available.		

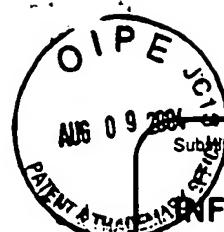
Examiner Signature	<i>Michael L. Welch</i>	Date Considered	11/12/2003
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## ~~INFORMATION DISCLOSURE STATEMENT BY APPLICANT~~

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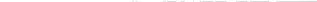
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of 2

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/684,065
		Filing Date	October 10, 2003
		First Named Inventor	Welch et al.
		Art Unit	3746
		Examiner Name	Unknown
Sheet	1	of	2
		Attorney Docket Number	021603.0102PTUS

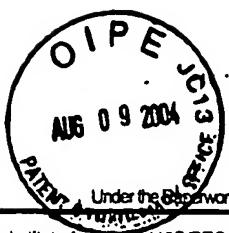
## U.S. PATENT DOCUMENTS

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PTO/SB/08b (08-03)

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Substitute for Form 449B/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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## Sheets

of 2

10

**Complete if Known**

10/694 065

Application Number 10/884,083

*Filing Date*      **October 10**

*First Named Inventor*      **Welch et al**

*Ad Unit* 3746

First Name	Unknown
Last Name	Unknown

Examiner Name UNKNOWN

*Attorney Docket Number* 021603.010

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>ML</i>	C-34	J.R. THOMAS; The Absorption of Wave Energy by a Three-Dimensional Submerged Duct; <i>Journal of Fluid Mechanics</i> , Cambridge University Press, Cambridge, GB; Vol. 104; March 1981; pp. 189-215.	
	C-35	T.J.T. WHITTAKER and F.A. McPEAKE; Design Optimization of Axi-Symmetric Tall Tube Buoys; <i>Hydrodynamics of Ocean Wave-Energy Utilization</i> ; IUTAM Symposium, 1985; pp. 103-111.	
	C-36	KENNETH P. MELVIN; A Wave Energy Engine and Proposals for Its Development and Usage; <i>IEEE</i> 1988; pp. 1055-1060.	
	C-37	PCT International Search Report dated July 19, 2004, International Application No. PCT/US 03/32377.	

Examiner Signature		Date Considered	1/12/2005
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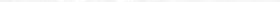
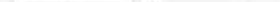
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Sheet	1	of	1

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